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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO. I-2-0203.4US

SERIAL NO. 10/085,187

APPLICANT Joseph A. Kwak

FILING DATE February 27, 2002 GROUP 2665

U.S. PATENT DOCUMENTS

T	T	U.S. PAIENI	DOGOMENTO		<u> </u>	
examiner Unitial	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DR	4,912,705	03/1990	Paneth et al.			
	5,101,406	03/1992	Messenger			
	5,280,498	01/1994	Tymes et al.			
	5,345,439	09/1994	Marston			
	5,345,600	09/1994	Davidson			
	5,351,016	09/1994	Dent			
	5,544,196	08/1996	Tiedemann, Jr. et al.			
	5,570,369	10/1996	Jokinen			
	5,648,969	07/1997	Pasternak et al.			
	5,657,325	08/1997	Lou et al.			
	5,729,557	03/1998	Gardner et al.	1		
	5,828,677	10/1998	Sayeed et al.			
	5,838,267	11/1998	Wang et al.			
	5,946,320	08/1999	Decker			
	5,956,624	09/1999	Hunsinger et al.			
	5,982,760	11/1999	Chen			
	5,983,382	11/1999	Pauls			
	5,983,383	11/1999	Wolf			
	5,983,384	11/1999	Ross			
	6,021,124	02/2000	Haartsen			
	6,049,549	04/2000	Ganz et al.			
	6,064,692	05/2000	Chow			
	6,128,276	10/2000	Agee			
	6,130,918	10/2000	Humphrey et al			
$\forall \mid$	6,134,694	10/2000	Uebayashi et al.			
DR	6,138,260	10/2000	Ketseoglou			

EXAMINER	DATE CONSIDERED
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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT U.S. PATENT DOCUMENTS DR 6,145,108 11/2000 Ketseoglou 6,154,489 11/2000 Kleider et al. 6,212,240 04/2001 Scheibel, Jr. et al. 6,233,711 O5/2001 Murayama et al.	
STATEMENT BY APPLICANT (Use several sheets if necessary)	
U.S. PATENT DOCUMENTS DR 6,145,108 11/2000 Ketseoglou 6,154,489 11/2000 Kleider et al. 6,189,123 02/2001 Anders Nystrom et al. 6,208,663 03/2001 Schramm et al. 6,212,240 04/2001 Scheibel, Jr. et al. 6,212,659 04/2001 Zehavi	
DR 6,145,108 11/2000 Ketseoglou 6,154,489 11/2000 Kleider et al. 6,189,123 02/2001 Anders Nystrom et al. 6,208,663 03/2001 Schramm et al. 6,212,240 04/2001 Scheibel, Jr. et al. 6,212,659 04/2001 Zehavi	
6,154,489 11/2000 Kleider et al. 6,189,123 02/2001 Anders Nystrom et al. 6,208,663 03/2001 Schramm et al. 6,212,240 04/2001 Scheibel, Jr. et al. 6,212,659 04/2001 Zehavi	
6,189,123 02/2001 Anders Nystrom et al. 6,208,663 03/2001 Schramm et al. 6,212,240 04/2001 Scheibel, Jr. et al. 6,212,659 04/2001 Zehavi	
6,208,663 03/2001 Schramm et al. 6,212,240 04/2001 Scheibel, Jr. et al. 6,212,659 04/2001 Zehavi	
6,212,240 04/2001 Scheibel, Jr. et al. 6,212,659 04/2001 Zehavi	
6,212,659 04/2001 Zehavi	
6 233 711 05/2001 Murayama et al	
0,200,711 00/2001 Midiayania 61 al.	
6,272,183 08/2001 Berens et al.	
6,275,488 08/2001 Cudak et al.	
6,289,003 09/2001 Raitola et al.	
6,308,294 10/2001 Ghosh et al.	
6,317,418 11/2001 Raitola et al.	
6,359,877 03/2002 Rathonyl et al.	
6,366,601 04/2002 Ghosh et al.	
6,370,669 04/2002 Eroz et al.	
6,449,246 09/2002 Barton et al.	
6,522,650 02/2003 Yonge et al.	
6,529,561 03/2003 Sipola	
6,647,076 11/2003 Schenk et al.	
6,735,180 05/2004 Malkamāki et al.	
6,760,860 07/2004 Fong et al.	
2002/0037058 03/2002 Birru	
2002/0064167 05/2002 Khan et al.	
DR 2003/0039226 02/2003 Kwak	

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	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			APPLICANT Joseph A. Kwak			
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DR	•	2003-4618	01/2003	KR			
		97118086	07/1999	RU			
		2179370	02/2002	RU			
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		2001126714	07/2003	RU			
		2221338	01/2004	RU			
V		2221339	01/2004	RU			
DR		2235432	08/2004	RU	 		
		03/019817	03/2003	WO			
		03/019376	03/2003				
		03/019812	03/2003				
		OTHER DOCUMENTS	(Including Au	rthor, Title, Date, Pertinent Pag	es, Etc.)		
DR		*Hybrid ARQ Methods for FC	D in Release	2000," TSG-RAN Working Gro July 4-7, 2000	up 1 Meeti	ng #14, Ou	ılu, Finland,
DR		"Physical Layer Aspects of UT	RA High Spe	ed Downlink Packet Access," 30 pp. 1-89.	GPP TR 25	5.848 V4.0	.0 (2001-03),
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EXAMINER	DATE CONSIDERED
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FORM PTO-1449 ATTY, DOCKET NO. SERIAL NO. 1-2-0203.4US 10/085,187 U.S. DEPARTMENT OF COMMERCE **APPLICANT** PATENTS NO TRADEMARK OFFICE Joseph A. Kwak ÎNFORMATION DISCLOSURE FILING DATE **GROUP** MENT BY APPLICANT 2662 February 27, 2002 (Use several sheets if necessary) **U.S. PATENT DOCUMENTS** EXAMINER INITIAL FILING DATE IF APPROPRIATE DOCUMENT NUMBER CLASS SUBCLASS DATE NAME 4,912,705 03/1990 Paneth et al. DR 03/1992 Messenger 5,101,406 01/1994 Tymes et al. 5,280,498 09/1994 Marston 5,345,439 09/1994 Davidson 5,345,600 5,351,016 09/1994 Dent 08/1996 Tiedemann, Jr. et al. 5,544,196 10/1996 Jokinen 5,570,369 Pasternak et al. 07/1997 5,648,969 5,657,325 08/1997 Lou et al. 02/1998 Black et al. 5,715,260 Gardner et al. 5,729,557 03/1998 10/1998 Sayeed et al. 5,828,677 5,838,267 11/1998 Wang et al. 5,946,320 08/1999 Decker Hunsinger et al. 09/1999 5,956,624 5,982,760 11/1999 Chen 11/1999 **Pauls** 5,983,382 Wolf 5,983,383 11/1999 5,983,384 11/1999 Ross 02/2000 Haartsen 6.021,124 6,049,549 04/2000 Ganz et al. 05/2000 Chow 6,064,692 6,128,276 10/2000 Agee Humphrey et al 6,130,918 10/2000 10/2000 6,134,694 Uebayashi et al. DR DATE CONSIDERED **EXAMINER** 08/28/2006

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	ON DISCLOSURE T BY APPLICANT		FILING DATE February 27, 2002	GROUP 2662
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		U.S. PATENT	DOCUMENTS	
DR	6,138,260	10/2000	Ketseoglou	
	6,145,108	11/2000	Ketseoglou	
	6,154,489	11/2000	Kleider et al.	
	6,189,123	02/2001	Anders Nystrom et al.	
	6,208,663	03/2001	Schramm et al.	
	6,212,240	04/2001	Scheibel, Jr. et al.	
	6,212,659	04/2001	Zehavi	
	6,233,711	05/2001	Murayama et al.	
	6,272,183	08/2001	Berens et al.	
	6,275,488	08/2001	Cudak et al.	
	6,289,003	09/2001	Raitola et al.	
	6,308,294	10/2001	Ghosh et al.	
	6,317,418	11/2001	Raitola et al.	
	6,359,877	03/2002	Rathonyi et al.	
20	002/0037058	03/2002	Birru	
	6,366,601	04/2002	Ghosh et al.	
	6,370,669	04/2002	Eroz et al.	
20	02/0064167	05/2002	Khan et al.	
	6,449,246	09/2002	Barton et al.	
20	02/0191544	12/2002	Cheng et al.	
	6,522,650	02/2003	Yonge et al.	
20	03/0039226	02/2003	Kwak	
	6,529,561	03/2003	Sipola	
	6,647,076	11/2003	Schenk et al.	
	6,735,180	05/2004	Malkamaki et al.	
$ \Psi $	6,760,860	07/2004	Fong et al.	
DR	6,931,569	08/2005	Fong et al.	
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		FORM PTO-1449		ATTY. DOCKET NO.	T	SERIAL I	NO.	
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			U.S. PATENT	DOCUMENTS				
EXAMINER UNITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING	DATE IF
DR		2002/0034182	02/2002	Mallory				
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
DR		97118086	07/1999	RU				
DR		2179370	02/2002	RU				
DR		2195768	12/2002	RU				
		- 2195089	12/2002	RU-				
DR		2001126714	07/2003	RU				
		-2210864	08/2003	RU_				
		-2002101733	08/2003	RU				
DR		2221338	01/2004	RU				
DR		2221339	01/2004	RU	 			
DR		2235432	08/2004	RU				
DR		2003/0004618	01/2003	KR			•	X
DR	•	1275279	02/1999	CN			х	
DR	*	1277766	12/2000	CN ²				X
		_1132772	01/2004	CN-				
1 correspo	onds to V	VO 99/09698 ² corresponds to	WO 99/12303					
		OTHER DOCUMENTS	(Including Au	thor, Title, Date, Pertinent Page	es, Etc.)			
DR		"Hybrid ARQ Methods for FDD in Release 2000," TSG-RAN Working Group 1 Meeting #14, Oulu, Finland, July 4-7, 2000						
DR	•	"Physical Layer Aspects of UTRA High Speed Downlink Packet Access," 3GPP TR 25.848 V4.0.0 (2001-03), pp. 1-89.						

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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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APPLICANT Joseph A. Kwak

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DR	4,912,705	03/1990	Paneth et al.			
	5,101,406	03/1992	Messenger			
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	5,345,439	09/1994	Marston			
	5,345,600	09/1994	Davidson			
	5,351,016	09/1994	Dent	1		
	5,544,196	08/1996	Tiedemann, Jr. et al.			
	5,570,369	10/1996	Jokinen			
	5,648,969	07/1997	Pasternak et al.			
	5,657,325	08/1997	Lou et al.			
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	5,729,557	03/1998	Gardner et al.			
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	5,946,320	08/1999	Decker			
	5,956,624	09/1999	Hunsinger et al.			
	5,982,760	11/1999	Chen			
	5,983,382	11/1999	Pauls			
	5,983,383	11/1999	Wolf			
	5,983,384	11/1999	Ross			
	6,021,124	02/2000	Haartsen			
	6,049,549	04/2000	Ganz et al.			
	6,064,692	05/2000	Chow			
	6,128,276	10/2000	Agee			
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DR	6,134,694	10/2000	Uebayashi et al.			

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	6,145,108	11/2000	Ketseoglou		
	6,154,489	11/2000	Kleider et al.		
	6,189,123	02/2001	Anders Nystrom et al.		
	6,208,663	03/2001	Schramm et al.		
	6,212,240	04/2001	Scheibel, Jr. et al.		
	6,212,659	04/2001	Zehavi		
	6,233,711	05/2001	Murayama et al.		
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	6,275,488	08/2001	Cudak et al.		
	6,289,003	09/2001	Raitola et al.		
	6,308,294	10/2001	Ghosh et al.		
	6,317,418	11/2001	Raitola et al.		
	6,359,877	03/2002	Rathonyi et al.		
	6,366,601	04/2002	Ghosh et al.		
\Box	6,370,669	04/2002	Eroz et al.		
	6,449,246	09/2002	Barton et al.		
	6,522,650	02/2003	Yonge et al.		
	6,529,561	03/2003	Sipola		
	6,647,076	11/2003	Schenk et al.		
	6,735,180	05/2004	Malkamāki et al.		
	6,760,860	07/2004	Fong et al.		
	1 2002-0034182	03/2002	Mallory, Tracy D.		
<u>, , </u>	2002/0037058	03/2002	Birru		
V	2002/0064167	05/2002	Khan et al.		
DR	2003/0039226	02/2003	Kwak		

EXAMINER	DATE CONSIDERED
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		2195768	12/2002	RU			- · · · · -	
		2001126714	07/2003	RU				
		2221338	01/2004	RU				
V		2221339	01/2004	RU				
DR		2235432	08/2004	RU			-	
		- 03/019817	03/2003	WO				
		- 03/019376	- 03/2003 -					
		-03/019812	03/2003	WO				
		OTHER DOCUMENTS	(Including Au	ıthor, Title, Date, Pertinent Pag	es, Etc.)			
DR		"Hybrid ARQ Methods for FD	DD in Release	2000," TSG-RAN Working Gro July 4-7, 2000	up 1 Meetii	ng #14, Ou	ılu, Finland,	
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APPLICANT Joseph A. Kwak

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U.S. PATENT DOCUMENTS

EXAMINER				-		FILING DATE IF	
INITIAL	DOCUMENT NUMBER	03/1990	NAME	CLASS	SUBCLASS	APPROPRIATE	
DR	4,912,705		Paneth et al.				
	5,101,406	03/1992	Messenger	<u>. </u>			
	5,280,498	01/1994	Tymes et al.				
	5,345,439	09/1994	Marston				
	5,345,600	09/1994	Davidson	.			
	5,351,016	09/1994	Dent				
	5,544,196	08/1996	Tiedemann, Jr. et al.				
	5,570,369	10/1996	Jokinen				
	5,648,969	07/1997	Pasternak et al.				
	5,657,325	08/1997	Lou et al.				
	5,729,557	03/1998	Gardner et al.				
	5,828,677	10/1998	Sayeed et al.	1			
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	5,946,320	08/1999	Decker	 			
	5,956,624	09/1999	Hunsinger et al.	<u> </u>			
	5,982,760	11/1999	Chen				
	5,983,382	11/1999	Pauls				
	5,983,383	11/1999	Wolf				
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	6,021,124	02/2000	Haartsen				
	6,049,549	04/2000	Ganz et al.				
	6,064,692	05/2000	Chow				
	6,128,276	10/2000	Agee	1			
. .	6,130,918	10/2000	Humphrey et al	1			
\forall	6,134,694	10/2000	Uebayashi et al.	•			
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05/2004

07/2004

03/2002

05/2002

02/2003

6,647,076 6,735,180

6,760,860

2002/0037058

2003/0039226

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Schenk et al.

Malkamaki et al.

Fong et al.

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Khan et al.

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		•	2195768	12/2002	RU				Х
	T	•	2001126714	07/2003	RU				Х
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	7	•	2221339	01/2004	RU				Х
D	R	•	2235432	08/2004	RU				Х
			OTHER DOCUMENTS	(Including Au	nthor, Title, Date, Pertinent Page	es, Etc.)			
D	"Hybrid ARQ Methods for FDD in Release 2000," TSG-RAN Working Group 1 Meeting #14, Oulu, Finland, July 4-7, 2000								
ľ	R		"Physical Layer Aspects of UTRA High Speed Downlink Packet Access," 3GPP TR 25.848 V4.0.0 (2001-03), pp. 1-89.						
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